

**Notice of Allowability**

Application No.

10/001,508

Applicant(s)

KAKARALA ET AL.

Examiner

Art Unit

Wenpeng Chen

2624

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 2/28/2005 and telephone interview on 2/15/2005.
2. ☒ The allowed claim(s) is/are 1-10 and 14-30 (now renumbered as 1-2, 6, 3-5, 7-11, 14, 12-13, 15-16, 19, 17-18, and 20-27, respectively).
3. ☒ The drawings filed on 23 October 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)           |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|   | 9. <input type="checkbox"/> Other _____   |

Wenpeng Chen  
Primary Examiner  
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*Examiner's Amendment/Statement*

1. The amendments filed on 2/18/2005 overcome the following set forth in paper #20041202 mailed on 12/6/2004:

- the objections to Claims 17-22 (paragraph 5);
- the objections to Claims 1-6 and 18-20 (paragraph 6);
- the rejections to Claims 11-13 under 35 U.S.C. 101, the rejection being moot by cancellation (paragraph 8);
- the rejections to Claims 1-6, 11-16, and 23-30 under 35 U.S.C. 112, first paragraph (paragraph 10);
- the rejections to Claims 17-18 under 35 U.S.C. 112, first paragraph (paragraph 11);
- the rejections to Claims 7-10 under 35 U.S.C. 112, second paragraph (paragraph 13).

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ms. Holly L. Rudnick on 6/15/2005.

3. The application has been amended as follows:

In specification:

-- In page 16, line 9, replace  $[(0,-1)]$  with  $-(0,1)-$ .

-- In page 18, line 5, delete [which is incorporated by reference].

*Examiner's Statement of Reasons for Allowance*

4. Claims 11-13 are canceled by the applicants.

5. Claims 1-10 and 14-30 (now renumbered as 1-2, 6, 3-5, 7-11, 14, 12-13, 15-16, 19, 17-18, and 20-27, respectively) are allowed.

For Claims 7-10

The following is a statement of reasons for allowance. The prior art fails to teach the system of Claim 7 which specifically comprises the following feature in combination with other recited limitations:

-- wherein the quantizer generates an identification including, in the discrete-cosine-transformed image data, an end-of-block code associated with the matrix used to quantize the discrete-cosine-transformed data block.

For Claims 1-6 and 14-30

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The following is a statement of reasons for allowance. The prior art fails to teach the methods of Claims 1 and 27, the systems of Claim 14, the article of Claim 18, and the decoder of Claim 23 which specifically comprise the following feature (or its equivalence) in combination with other recited limitations:

-- in the image file, for at least one data block of the plurality of data blocks, the end-of-block code corresponding to the quantization matrix used to quantize the discrete cosine transformed image data of the at least one data block of the plurality of data blocks.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wenpeng Chen whose telephone number is 571-272-7431. The examiner can normally be reached on 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David K Moore can be reached on 571-272-7437. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306 for regular communications and 703-872-9306 for After Final communications. TC 2600's customer service number is 571-272-2600.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-2600.

Wenpeng Chen  
Primary Examiner  
Art Unit 2624

June 15, 2005

A handwritten signature in black ink, appearing to read 'Wenpeng Chen', written in a cursive style.